

**Plan Check Requirements for:  
LPG/PROPANE STORAGE  
(Update—4/99)**

The Fire and Environmental Protection Division of the Mountain View Fire Department (650-903-6378) will review your submitted plans using this plan check guideline.

*Where appropriate, enter below the page number of your submitted plans where the item asked for is indicated and highlight the item in your plans. Include brochures, manufacturer's cut sheets, and calculations with the plans when asked for.*

If all the required information asked for is included in your plans or attachments, they can be reviewed and approved by the Fire and Environmental Protection Division as quickly as five working days.

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**Facility Name:** \_\_\_\_\_ **Address:** \_\_\_\_\_

**Architect Name:** \_\_\_\_\_ **Phone:** \_\_\_\_\_ **PC#:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**CFC CHAPTER 82, LIQUEFIED PETROLEUM GASES (LPG)**

**Applies To: Storage and handling of LPG tanks and cylinders**

1) Propane tanks shall not exceed 2,000 gallon capacity and be UL-listed (CFC 8204.2). *Attach manufacturer's cut sheet on the tank.* Plan or cut sheet page number: \_\_\_\_\_

2) Propane tanks shall be separated from buildings, street, and property lines as per the table on the next page. (CFC 8204.3) *Indicate these distances on the plans.* Plan page number: \_\_\_\_\_

3) Multiple container installations with a total water storage capacity of more than 180,000 gallons shall be subdivided into groups containing not more than 180,000 gallons in each group. Such groups shall be separated by a distance of not less than 50 feet unless the containers are:

- 1) Mounded in an approved manner;
- 2) Protected with approved insulation on areas that are subject to impingement of ignited gas from pipelines or other leakage;
- 3) Protect by firewalls of approved construction;
- 4) Protected by an approved system for application of water as specified in UFC Standard 82-1, Table 3-2.2.4; or
- 5) Protected by other approved means.

When one of these forms of protection is provided, the separation shall not be less than 25 feet between container groups. (CFC 8204.4). *Show grouping and separation distance on the plans.* Plan page number: \_\_\_\_\_.

- 4) Dispensing of LP gases shall be performed by a qualified attendant. (CFC 8206.1). *Indicate the person qualified for dispensing.* Plan page number: \_\_\_\_\_.
- 5) A minimum 20B:C fire extinguisher shall be located within 30 feet of the tank (CFC 8211.2) Plan page number: \_\_\_\_\_
- 6) “No Smoking” signs shall be posted within 15 feet of the tank. (CFC 8208). *Indicate the location of the sign on the plans.* Plan page number: \_\_\_\_\_
- 7) Tanks must be maintained at least 10 feet away from any combustibles, including weeds, grass, pallets, etc. (CFC 8209) Plan page number: \_\_\_\_\_
- 8) When exposed to probable vehicular damage, bollards shall be installed as follows:
- a) Constructed of steel not less than 4” in diameter and concrete filled;
  - b) Spaced not more than 4 feet between posts on center;
  - c) Set at least 3 feet deep in a concrete footing of at least 15” diameter;
  - d) Extend at least 3 feet above ground;
  - e) Located at least 5 feet away from the tank (CFC 8210)
- Indicate these dimensions and specs on the plans.* Plan page number: \_\_\_\_\_
- 9) Tanks shall be seismically braced per Uniform Building Code Chapter 23. *Indicate seismic bracing on plans.* Plan page number: \_\_\_\_\_
- 10) Fire protection shall be provided for installation having storage containers of more than a 4,000 gallon water capacity. (CFC 8211.1). *Show the fire protection installation on the plans.* Plan page number: \_\_\_\_\_

**For Portable Container Storage Awaiting Use or Resale:**

- 11) Containers stored in buildings shall not be located near exit-access doors, exits, stairways, or in areas normally used, or intended to be used, for the safe egress of people. (CFC 8212.4). *Show the storage location on the plans and the distances to the nearest doors and exits.* Plan page number: \_\_\_\_\_.
- 12) Containers shall not be stored in a basement, pit or similar location where heavier-than-air gas might collect. Containers shall not be stored in above-grade underfloor spaces or basements unless such location is provided with an approved means of ventilation. EXCEPTION: 2.5 pound DOT containers for use in completely self-contained hand torches where the quantity of LPG does not exceed 20 pounds. (CFC 8212.7). *If applicable, show the provided ventilation or certify that the exception conditions will be met.* Plan page number: \_\_\_\_\_
- 13) Containers shall be stored within a suitable enclosure or otherwise protected against tampering. (CFC 8212.12). *Indicate the type of enclosure to be used.* Plan page number: \_\_\_\_\_
- 14) Exterior storage separation from buildings, streets, and property lines shall be as follows:

<u>Quantity in Pounds</u>	<u>Distance in Feet</u>
Up to 500	0
501-2500	10
2,501-6,000	15
6,001-10,000	20
Over 10,000	25

(CFC 8212.11) *Indicate these distances on the plans.* Plan page number: \_\_\_\_\_